

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 February 2005 (24.02.2005)

PCT

(10) International Publication Number
WO 2005/016072 A3

(51) International Patent Classification⁷: **A47B 81/00**

(21) International Application Number:
PCT/US2004/009142

(22) International Filing Date: 25 March 2004 (25.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/457,231 25 March 2003 (25.03.2003) US

(71) Applicant (for all designated States except US): **SPACE-
SAVER CORPORATION** [US/US]; 1450 Janesville Av-
enue, Fort Atkinson, WI 53538-2798 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PUNZEL, William,
H.** [US/US]; 424 Robert Street, Fort Atkinson, WI 53538
(US). **GLASS, Jane, E.** [US/US]; 1625 Stacy Lane,
Fort Atkinson, WI 53538 (US). **KOLMAN, Andrew, J.**
[US/US]; 769 West Sunset Drive, #5, Milton, WI 53563
(US). **DINGLE, Steven, S.** [US/US]; 5805 Running Deer
Trail, McFarland, WI 53558 (US). **MUTH, James, C.**
[US/US]; 3689 North Riverline Drive, Oconomowoc, WI
53066 (US).

(74) Agent: **MCCONNELL, Andrew, S.**; Boyle, Fredrickson,
Newholm, Stein & Gratz, S.C., 250 East Wisconsin Av-
enue, Suite 1030, Milwaukee, WI 53202 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

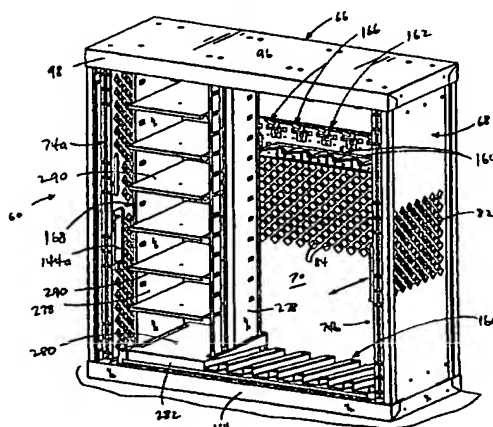
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: **MODULAR SECURITY CABINET SYSTEM FOR STORING FIREARMS OR THE LIKE**



(57) Abstract: A storage cabinet assembly (60) for use in storing firearms or the like includes a cabinet with a recessed bifold door arrangement, to facilitate access to items contained within the cabinet assembly. The door arrangement includes a single-point locking system, which provides a secure arrangement for maintaining the doors in a closed position while providing ease in opening and closing the doors. Various support and storage modules or components are adapted to be contained within the interior of the cabinet, including stock rests (160) for positioning in the bottom of the cabinet interior, as well as barrel rests (164) and pistol supports (166) that are secured to amounting member which may be adjustably positioned within the storage cabinet interior. A bin or shelf arrangement may also be positioned within the storage cabinet interior. The various support and storage modules or components may be used in various combinations, and may be moved to various positions within the storage cabinet interior.

WO 2005/016072 A3



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:
21 July 2005

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/009142

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A47B81/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A47B E06B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | DE 197 00 330 A (KOENIG FRANZ) 24 July 1997 (1997-07-24) the whole document ----- | 1-3,25, 26,39,40 |
| X | US 4 461 385 A (CLOUSER ROGER A) 24 July 1984 (1984-07-24) column 1, line 5 - line 8 figures ----- | 1-5 |
| X | DE 195 41 951 A (HARTMANN TRESORE AG & CIE) 15 May 1997 (1997-05-15) the whole document ----- | 1-3,25, 26,39,40 |
| X | US 5 265 950 A (ATKINSON BRUCE M) 30 November 1993 (1993-11-30) column 2, line 65 - column 3, line 2 figure 1 ----- -/-- | 1-3,25, 26,39 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

22 December 2004

Date of mailing of the international search report

30 MAY 2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

van Hoogstraten, S

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/009142

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-13, 25-38, 39-50

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-13, 25-38, 39-50

A cabinet system/assembly for storing firearms;
A method of configuring such a cabinet.

2. claims: 14-24

A storage cabinet assembly having bifold doors

INTERNATIONAL SEARCH REPORT

Inter - al Application No
PC, US2004/009142

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-------------------------------------|
| P,X | <p>US 2004/045914 A1 (SELLS REX R ET AL) 11 March 2004 (2004-03-11)</p> <p>figures -----</p> | <p>1-5, 25-28, 39,41-45</p> |

INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No
PCT/JP2004/009142

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------------|--------------------------|
| DE 19700330 | A | 24-07-1997 | DE 29600874 U1 DE 19700330 A1 | 14-03-1996 24-07-1997 |
| US 4461385 | A | 24-07-1984 | NONE | |
| DE 19541951 | A | 15-05-1997 | DE 19541951 A1 | 15-05-1997 |
| US 5265950 | A | 30-11-1993 | CA 2062902 A1 | 09-07-1993 |
| US 2004045914 | A1 | 11-03-2004 | NONE | |